## ISSUE SLIP STAPLE AREA (for additional cross references)

| POSITION            | IRMALS | ID NO. | DATE |  |  |  |
|---------------------|--------|--------|------|--|--|--|
| FEE DETERMINATION   | AN     | 69869  | 5/18 |  |  |  |
| O.I.P.E. CLASSIFIER |        | 12     | 5/2/ |  |  |  |
| FORMALITY REVIEW    | JIB-   | 70803  | 5.28 |  |  |  |

## INDEX OF CLAIMS

| 4 | Rejected                   | N | Non-elected  |
|---|----------------------------|---|--------------|
| = | Allowed                    | 1 | Interference |
| _ | (Through numeral) Canceled | Α | Appeal       |
| ÷ | Restricted                 | 0 | Objected     |

| [  | Cla      | im        |         |                                              | _1            |          | Date         | 8        |          |          |          |              |
|----|----------|-----------|---------|----------------------------------------------|---------------|----------|--------------|----------|----------|----------|----------|--------------|
|    |          | a         | 2.08    | 9                                            | 105           | 6-03     | 4            |          |          |          |          |              |
| 1  | Final    | iginal    | 4       | 0-0                                          | 18            | 6-6      | ý            |          |          |          |          |              |
| L  | Ē        | Ā,        | 10      | V                                            | 2             | 6.       | Ś            |          |          |          |          |              |
| L  |          | 1         | V       | [ ]                                          | $\checkmark$  | V        | ✓            |          |          |          |          |              |
|    |          | 3         | 8       | $\mathbb{L}_{2}$                             | $\checkmark$  | V        | Ž            |          |          |          |          |              |
| ſ  | -        | 3         |         | V                                            |               | 1        | <b>V</b>     |          |          |          |          |              |
| ľ  |          | 4         |         | 1                                            | V             | _/       | J            |          |          |          |          |              |
| ĺ  |          | 5         |         | \<br>\                                       | >             | /        | <b>^</b>     |          |          |          |          |              |
| 1  |          | 6         | П       | <b>N</b>                                     | <             | /        | $\checkmark$ |          |          |          |          |              |
|    |          | 7         | $\prod$ | V                                            | \             | \        | ✓.           |          |          |          |          |              |
|    |          | 8         |         | <                                            | <             | <b>〉</b> | V            |          |          |          |          |              |
| I  |          | 9         | П       |                                              | 7             | )        | 1            |          |          |          |          |              |
| ſ  |          | 10        | П       | <                                            | <u> </u>      | ~        | J            |          |          |          |          |              |
| ſ  |          | 11        | П       |                                              | <b>V</b>      | 7        | J            |          |          |          |          | Г            |
|    |          | 12        |         | V                                            | V             | >        | 1            |          |          |          |          |              |
| T  |          | 13        | 1       | U                                            | V             | <b>✓</b> | 7            |          |          |          |          |              |
| Ţ  |          | 14        | 1       | 7                                            | 1             | 1        | 1            |          |          |          |          |              |
| 1  |          | 15        | T       | 0                                            | 0             | 0        | O            |          |          |          |          |              |
| ľ  | П        | 16        | Π       | 7                                            | J             | 1        | J            |          |          |          | Π        | Г            |
| I  |          | 17        | П       | V                                            | 7             | 1        | 7            |          |          |          |          |              |
| Ì  | 7        | 18        | П       | 7                                            | 7             | ĮĮ.      | 11           |          |          |          |          | $\vdash$     |
| ļ  |          | 19        | Ħ       | Ď                                            | V             | Ξ        | h            |          |          | _        | Т        | $\vdash$     |
| Ì  | ۲        | 20        | Ħ       | 0                                            | 0             | Ξ        | П            |          | Г        |          |          | $\vdash$     |
| Ì  | _        | 21        | H       | 1                                            | 7             |          |              | -        | H        |          |          | $\vdash$     |
| ŀ  | î        | 22        | Н       | ľŽ                                           | V             |          |              | -        | ┢        | $\vdash$ | Н        | -            |
| ŀ  | <u> </u> | 23        | H       | ō                                            | -             |          | 1            | H        | ┢        | ┝        | +-       | -            |
| ł  | _        | 24        | Н       | Ď                                            | 2             |          | 1            | ┝        | ┢─       | -        | -        | ╁            |
| ŀ. | _        | 25        | H       | 1                                            | 7             | 1        | 5            | -        | $\vdash$ |          | -        | -            |
| I  | -        | 26        | 2       | 1.7                                          | 7             |          | 4            | -        | $\vdash$ | $\vdash$ | $\vdash$ | 1            |
| ł  |          | 27        | Н       | IJ                                           | .7            | 1        | 4            |          | -        | -        | -        | -            |
| ŀ  | ٠        | 28        | Н       | ヺ                                            | Υ,            | Υ,       | 7            | $\vdash$ | ⊢        | ⊢        | ┼        | ┢            |
| ŀ  | +        | 29        | H       | 17                                           | ₹             | 1        | 7            | -        | ⊢        | ┢        | ┢        | ┢            |
| ł  | -        | 30        | Н       | 1                                            | 7             | Y        | 4            | ├        | ┢        | 1        | ╁        | ╁            |
| ŀ  | -        | 31        | Н       | 1                                            | 1             | ۲,       | 4            | -        | ⊢        | ┢        | ╁        | ╁            |
| ł  | -        | 32        | Н       | +                                            | V             | 1        | ٧,           |          |          |          |          |              |
| Ì  |          | 33        | Н       | 17                                           | V             | 1        | 4            |          | -        | -        | -        | 1            |
| ł  | _        | 34        | H       | ۳                                            | <u> </u>      | <b>Y</b> | 4            | -        | ┢        | ┝        | ⊢        | -            |
| ł  |          | 35        | H       | 17                                           | 14            | 1        | 4            | ⊢        | -        | $\vdash$ | -        | $\vdash$     |
| ŀ  | _        | 36        | Н       | 1.                                           | 1             | 1        | حًا          | $\vdash$ | -        | -        | -        | $\vdash$     |
| ŀ  | _{       | £         | H       | <del>  _</del>                               | <del> `</del> | <u> </u> | 1            | $\vdash$ | $\vdash$ | ⊢        | $\vdash$ | $\vdash$     |
| ŀ  | `        | 38        | H       | 15                                           | <u> </u>      | E        |              | $\vdash$ | $\vdash$ | -        | -        | ╁            |
| ŀ  | _        | 39        | Н       | 15                                           | =             | =        | Ε            | -        | -        | ╁        | -        | -            |
| ŀ  | _        |           | Н       | 1                                            | <del> -</del> | Ē        | ۳            | -        | -        | -        | $\vdash$ | $\vdash$     |
| ŀ  |          | <u>40</u> |         | 17                                           | ۱Ξ,           |          | =            | -        | ⊢        | ⊢        | ⊬        | ├-           |
| -  |          | 41        | Ц       | <u>                                     </u> | V,            | V        | 1            | <u> </u> | <b>—</b> | <u> </u> | <b> </b> | <u> </u>     |
| 1  |          | 42        | Ц       | ~                                            |               | <b>✓</b> | 1            | _        | $\vdash$ | 1        | _        | ┞-           |
| 1  |          | 43        |         | 1                                            | $\leq$        | V        | V            | _        |          |          | _        |              |
| L  |          | 44        | Ц       | 1                                            | V             | V        | 1            |          |          | _        |          |              |
| L  |          | 45        | Ц       | 1                                            | <             | 2        | $\mathbf{M}$ | L        | ļ.       | L        | L        | L            |
| L  |          | 46        | Ц       | 1                                            | V,            | <u> </u> | ✓            | L        | _        | L        | L        | L            |
| L  |          | 47        | Ц       | 1                                            | ⊻             | <u>٧</u> | V            |          | L        | L        |          | L            |
| L  |          | 48        | Ц       | 1                                            | Z             | 2        | V            |          |          | L        | L        | L            |
| 1  |          | 49        |         | 1                                            | V             | W        | J            | _        |          |          |          | $oxed{oxed}$ |
| l  |          | 8         | V       | V                                            | $\mathbf{V}$  | <u> </u> | 1            |          |          |          |          |              |

| Cla   | lm       |          | Date       |              |          |              |          |          |            |          |          |
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| Ť     |          |          | T          | $\neg$       |          | Ť            | ٦        |          |            | Т        | _        |
| _     | Original |          |            | ĺ            |          |              |          | j        |            |          |          |
| Final | Ę        |          |            |              | - 1      |              |          | 1        |            |          |          |
| -     | 51       |          |            | -            | $\dashv$ | $\vdash$     |          |          |            |          |          |
|       | 52       | Н        | $\vdash$   | -            | -        | -            | -        | _        |            |          |          |
|       | 53       | Н        | $\dashv$   | -            |          |              | -        | _        |            |          |          |
| _     | 54       |          | -          |              |          |              |          | -        | Н          |          |          |
|       | 55       | _        |            | -            | _        |              |          | _        | -          | -        | _        |
|       | 56       |          | Н          |              |          |              |          |          |            | $\vdash$ |          |
| _     | 57       | -        | Н          |              | -        | -            | $\vdash$ | _        | Н          | -        |          |
|       | 58       |          | Н          |              | $\dashv$ | Н            |          |          | Н          | $\dashv$ | _        |
|       | 59       | H        | Н          | =            | _        |              | -        |          | Н          | -        | _        |
| _     | $\vdash$ |          | -          | ш            |          |              |          | _        | Н          | Н        |          |
| _     | 60<br>61 |          | Н          | Щ            | _        | -            | -        | <u> </u> | Н          |          |          |
|       |          | -        |            |              |          |              |          |          | H          | -        |          |
|       | 62<br>63 | -        | -          |              |          | _            | -        | -        | <b>⊢</b> - | $\vdash$ | _        |
| _     | _        | ⊢        | Н          |              |          | _            |          | _        |            |          | _        |
|       | 64       | -        | H          | L            |          |              |          | <b> </b> | <u> </u>   | Н        | _        |
| _     | 65       |          | Ш          |              |          | _            | ļ        | <u> </u> | _          |          | _        |
|       | 66       | _        |            |              |          | _            |          | _        |            | _        | _        |
| _     | 67       | _        | _          |              |          | _            | _        |          | $\vdash$   |          |          |
| _     | 68       |          |            |              |          |              | _        |          |            |          |          |
|       | 69       | L        |            | L            |          | L            | L_       |          | L          |          |          |
|       | 70       |          |            |              |          |              |          |          |            |          |          |
|       | 71       |          |            |              |          |              |          |          |            |          |          |
|       | 72       | Π        |            |              |          |              |          |          |            |          |          |
|       | 73       | Г        | Г          | -            |          |              |          |          |            |          |          |
|       | 74       |          |            |              |          |              |          |          |            |          |          |
|       | 75       |          |            |              |          |              |          |          |            |          |          |
| _     | 76       |          |            |              |          |              |          |          |            |          |          |
| _     | 77       |          |            |              |          |              |          |          |            |          |          |
| _     | 78       | T        | _          |              | _        |              |          |          |            |          | Т        |
| _     | 79       | $\vdash$ | Т          |              |          | ┪            |          |          | $\vdash$   | $\vdash$ |          |
| Т     | 80       |          | Г          |              | T        | Т            |          |          | $\vdash$   |          | Т        |
| _     | 81       | $\vdash$ |            |              | $\vdash$ | $\vdash$     | Н        |          | $\vdash$   | 一        |          |
| -     | 82       |          |            | -            |          |              |          |          |            |          | -        |
|       | 83       | $\vdash$ |            |              |          | -            |          |          | -          | ┢        | _        |
|       | 84       | $\vdash$ | $\vdash$   |              | -        |              | _        | ┰        | -          | ┢        | _        |
|       | 85       | $\vdash$ | $\vdash$   | ┢            | -        | -            |          | $\vdash$ | ┢          |          | Н        |
| -     | 86       | ┢        | $\vdash$   | -            | -        | -            | _        | -        | ┢          | ┢        | _        |
| _     | 87       | ┢╌       | ╁╾         | -            | ⊢        | $\vdash$     | -        | -        | ├-         | ├─       | -        |
|       | 88       | ╁┈╴      | -          | ⊢            | -        | -            | -        | ╁        | -          | ┢        | -        |
|       | 89       | -        | $\vdash$   |              | ├        |              | $\vdash$ | ┝        | -          | ⊢        | -        |
| _     | 90       | -        | ├-         | -            | $\vdash$ | $\vdash$     | $\vdash$ | ⊢        | -          |          | ⊢        |
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|       | 91       | ┞        | 1          | <u> </u>     | ⊢-       | <b>!</b>     | <u> </u> | L        | ↓_         | L.       | L        |
|       | 92       |          | <b> </b>   | _            | ╙        | <u> </u>     | L        | L_       | <u> </u>   | <u> </u> | L        |
| _     | 93       | -        | lacksquare | _            | L_       | _            | <u></u>  |          | ــــ       | <u> </u> | L        |
|       | 94       |          | L          |              | L        |              | _        |          | 1_         | <u></u>  | L        |
|       | 95       | _        | 匚          | L            | L        | _            | <u>_</u> |          | _          | L        | L        |
|       | 96       | L        | L          | L            | L        |              |          | L        |            | L        | L        |
|       | 97       | 1        | 1          | Ι            | I        | [            | 1        | 1        | 1          | l ¯      | 1        |
|       | 98       | -        | -          | -            | -        | -            | ↓        |          | ļ.,        | <b>├</b> | ⊢        |

| Objected |            |           |                |          |          |          |                 |          |               |              |              |
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| Cla      | ılm        |           |                |          |          | Dat      | e               |          |               |              |              |
| Final    | Original   |           |                |          |          |          |                 |          |               |              |              |
| -        | 101        |           |                |          |          |          |                 |          | ┪             |              | _            |
|          | 102        | $\Box$    |                |          |          |          |                 |          | $\Box$        |              |              |
| <u> </u> | 103        |           | _              |          | Щ        |          |                 | _        |               | Ц            |              |
| -        | 104<br>105 | -         | -              |          | -        |          | $\dashv$        | _        | -             | -            |              |
| ┝╌       | 106        | -         | -              | -        | -        | Н        | -               | -        | ᅱ             |              | —            |
| $\vdash$ | 107        | $\vdash$  |                | $\neg$   | _        |          |                 | _        | -             |              |              |
| ┌        | 108        | $\Box$    |                |          |          |          |                 |          |               |              |              |
|          | 109        |           |                |          |          |          |                 |          |               |              |              |
| L        | 110        | Ц         |                | _ !      |          |          | Щ               |          |               |              | _            |
| $\vdash$ | 111        | Н         |                | -        | ┞—       | H        |                 |          | -             | Н            | _            |
| $\vdash$ | 112<br>113 |           | _              | -        | -        | H        | Н               |          | щ             | Н            | _            |
| $\vdash$ | 114        | ightarrow | -              | -        | -        | $\vdash$ | -               |          | Н             | H            | -            |
|          | 115        | $\vdash$  | -              |          | -        | М        |                 |          | Н             |              | <u> </u>     |
|          | 116        | П         |                |          |          |          |                 |          | _             |              |              |
|          | 117        |           |                |          |          |          |                 |          |               |              |              |
| _        | 118        | -         |                | _        | ļ        | _        | <u> </u>        | _        |               |              |              |
| ┡        | 119        | -         | _              | _        | _        | _        |                 | _        | _             | L.           | _            |
| L        | 120        |           | ļ              | <u> </u> | ļ        | _        | _               | <u> </u> |               | _            | Ŀ            |
| -        | 121        | _         | H              | -        | -        | -        | -               | -        | -             | -            | -            |
| -        | 122        |           | _              | -        | ├        | -        | ┢               | -        | -             | ┝            | ┝            |
| -        | 124        |           | Н              | -        | ┢        |          |                 | -        | $\vdash$      | ┪            | $\vdash$     |
| Г        | 125        |           |                |          |          | Г        | _               |          |               | T            |              |
|          | 126        |           |                |          |          |          |                 |          |               |              |              |
|          | 127        |           |                |          |          |          |                 |          |               |              |              |
| L        | 128        | 1         | _              |          | L        | L        | _               | _        | L             | L            |              |
| $\vdash$ | 129        |           | _              | <u> </u> | ⊢        | _        | -               | -        | <u> </u>      | -            | ┝            |
| $\vdash$ | 131        |           | $\vdash$       | -        | ╁╴       | -        | -               | $\vdash$ | -             | H            | ┝            |
| H        | 132        |           | -              | -        | ╁╌       | -        |                 | ┝        | $\vdash$      | H            | ⊢            |
| $\vdash$ | 133        |           | H              | $\vdash$ | ╁╴       | $\vdash$ |                 |          | $\vdash$      | ┪            | H            |
|          | 134        |           |                |          |          |          |                 |          |               |              |              |
|          | 135        |           |                |          | L        |          |                 |          |               |              |              |
| L        | 136        | 1         | _              |          | ļ        | <u> </u> |                 | _        | <u> </u>      | L            | L            |
| -        | 137        | _         | -              | ┡        | ├        | -        | <u> </u>        | -        | L             | _            | ┝            |
| -        | 139        |           | -              | -        | ├╌       | -        | <del> -</del> - | $\vdash$ | ├─            | ┝            | ├            |
| $\vdash$ | 140        | _         | ┢              | -        | -        | -        | -               | ┝        | ┢             | Н            | H            |
| $\vdash$ | 141        | _         | <del>  -</del> | $\vdash$ |          | -        | ┢               |          | -             | Н            | $\vdash$     |
| -        | 142        | L         | <del>  -</del> | T        | -        | T        | Г               | Г        |               | ÷            | Т            |
|          | 143        |           |                |          |          |          |                 |          |               | L,           |              |
| Ĺ        | 144        |           | 匚              |          |          |          |                 | 匚        |               | Ľ            | 匚            |
| L        | 145        | _         | <u> </u>       | Ĺ        | $\Box$   | Ĺ        | L               |          |               |              | Ĺ            |
| -        | 146        |           | 1              | $\vdash$ | -        | -        | ┞               | _        | _             | <del> </del> | <del> </del> |
| -        | 147        |           | ├-             | ├-       | ⊢        | ├        | -               | -        | <del> -</del> | -            | -            |
| $\vdash$ | 145        |           | $\vdash$       | ├        | $\vdash$ | $\vdash$ | $\vdash$        | -        | -             | -            | $\vdash$     |
| -        | 150        |           | t              | $\vdash$ | 1        | $\vdash$ | Т               | Н        |               |              | H            |
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If more than 150 claims or 10 actions staple additional sheet here

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